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(57) Abstract: Novel amino ceramide-like compounds (1) are provided which inhibit glue syl ceramide (GlcCer) formation by inhibiting the enzyme GleCer synthase, thereby lowering the level f glycosphingolipids. The compounds of the present invention have improved GlcCer synthase inhibition activity and are therefore highly useful in therapeutic methods for treating various c nditi ns and diseases associated with altered glycosphingolipid levels.